

INDIAN BUREAU OF MINES

--:-- Inspection Report --:--

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	38RAJ09002	Lease Area (Ha) :	240.860
Forest Area (Ha) :	N/A	Mine Code :	38RAJ09002
Registration Number :	IBM/418/2011	Name of lessee :	J.K. Cement Limited
Address of lessee :	Kamla Tower ,29/1, Kanpur	Phone of lessee :	0512-2375917
Email of lessee :	Mines.nbh@jkcement.com	Fax Number :	N/A
Village :	Karoonda	Taluka / Mandal :	Nimbahera
District :	CHITTORGARH	Pincode :	208001
State :	Rajasthan	Post Office :	N/A
Nearest Police Station :	Nimbahera sadar	Nearest Railway Station :	N/A
Date of Grant of Mining Lease :	1984-12-13	Date of Mining Lease Execution :	1984-12-13
Date of opening in the mine :	1985-03-06		

Nominated Owner Details			
Name of the Nominated Owner :	Mr Ajay Kumar Saraogi	Nominated Owner Address:	2-A/175, Azad Nagar, Kanpur
Nominated Owner Mobile :	9810006205	Nominated Owner Email :	Ak.saraogi@jkcement.com
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	2020-06-17
Mining Engineer Details			
Name of the Mining Engineer :	Peeyush Kumar Ameta	Qualification of Mining Engineer :	Diploma Mining, & AMIE
Address of Mining Engineer :	N/A	Phone of Mining Engineer :	N/A
Email of Mining Engineer :	N/A	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2013-03-06		
Geologist Details			
Name of the Geologist :	Sh. Prashant Tiwari	Qualification of Geologist :	MSC Geology
Address of Geologist :	N/A	Phone of Geologist :	N/A
Email of Geologist :	N/A	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2019-06-07		
Mine Manager Details			
Name of the Mine Manager :	P.K.AMETA	Qualification of Mine Manager :	DIP. MINING & AMIE Ist CLASS
Address of Mine Manger :	N/A	Phone of Mine Manger :	N/A
Email of Mine Manger :	N/A	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	2013-03-06		

Mineral(s) granted in lease and proved for mining :	LIMESTONE	Date of Approval of Mining Plan / Modified Mining Plan / ROMP with five-year period :	2024-02-29 (2024 - 2028)
Method of mining :	Open Cast	Category :	OTHER_THAN_MECHANISED
Nature of Use :	Captive		

Part-II : Other Information

2.1.1 : Inspection Details

Inspecting Officer :	RITAM PRADHAN
Designation :	JMG
Name of the Accompanying Official from Mine :	Sh. Prashant Tiwari
Designation of the Accompanying Official :	Geologist
Type of Inspection :	MCDR
Date of Inspection :	26/03/2025
Review year considered for MCDR Inspection :	2023-2024

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2.2.1 : Exploration Details

S.N.	Items for Reporting		As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of Core Boreholes		0	0	0.000	No Violation	Nil	Nil
2	Number of DTH Boreholes		0	0	0.000	No Violation	Nil	Nil
3	Number of exploratory pits / trial pits		0	0	0.000	No Violation	Nil	Nil
4	Number of exploratory Trenches		0	0	0.000	No Violation	Nil	Nil
5	Lateral exploration status for the lease area	G1	240.86Ha	240.86Ha	NIL	No Violation	As per approved RMP dated 29/02/2024	Nil
6		G2	0	0	0.000	No Violation	As per approved RMP dated 29/02/2024	Nil
7		G3	0	0	0.000	No Violation	As per approved RMP dated 29/02/2024	Nil
8		G4	0	0	0.000	No Violation	As per approved RMP dated 29/02/2024	Nil
9	UNFC category wise reported Resources/Reserves as per MP/MMP ROMP		Reserve: 182808000tonnes resource: 478368000tonnes	Reserve: 182808000tonnes resource: 478368000tonnes	NIL	No Violation	As per approved RMP dated 29/02/2024	Nil

Total Reserves (111, 121 & 122) and Total Mineral Resources (331, 332 & 333 upto 334)						
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2.3.1 : Development - Opencast Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Location of development w.r.t. lease area	North Pit :-- Bench Ist - upto RL424m Bench 2nd - Upto RL 416 m, Bench 3rd- upto RL 408 m , Bench 4th - upto RL 400 m , Bench 5th - upto RL 392 m , Bench 6th -Between ML 15 to ML 16 ML 13 to ML 14(upto RL 384 m) South Pit :-- Bench Ist - upto RL 424 m, Bench 2nd - Upto RL 416 m, Bench 3rd upto RL 408 m, Bench 4th Upto RL 400 m , Bench 5th - Upto RL 392 m	North Pit :-Bench Ist - upto RL 424 m, Bench 2nd - Upto RL 416 m, Bench 3rd - upto RL 411.70 m, Bench 4th - Nil , Bench 5th - Nil, Bench 6th - Nil South Pit :- Bench Ist - upto RL 424 m, Bench 2nd Upto RL 416 m, Bench 3rd - upto RL 408 m, Bench 4th - Upto RL 400 m, Bench 5th - Upto RL 392.01 m Pit 1 E/W 461119 460536 N/S 2732550 2731756 Pit 2 E/W 461561 460720 N/S 2732042 2731408	NIL	No Violation	Nil	Nil

2	Quantity of overburden generation in m3	Waste (Interstitial clay) 81818.18 Cu.m. (117000 Tonnes) & 50349.65 Cu.m. (72000 Tonnes) from operation of existing dump	Waste (Interstitial clay) 71888.11 Cu.m (or 102800 Tonne) & Nil from existing dump	.	No Violation	Nil	Nil
3	Quantity of topsoil generation in m3	7692.31 Cu.m. (11,000 Tonnes)	7272.73 Cu.m. (10400 Tonnes)	.	No Violation	Nil	Nil
4	Stripping ratio : ore to OB ratio	1 : 0.05	1 : 0.031	.	No Violation	Nil	Nil

2.4.1 Exploitation - Opencast Mine Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of pits / Blocks proposed for production	2	2	0.000	No Violation	Nil	Nil
2	Quantity of ROM mineral production proposed (in T)	Limestone - 34,00,000 Tons & 48,000 Tons from operation of existing dump Subgrade 1,52,000 Tons Total ROM 36,00,000 Tons	Limestone - 33,46,176.50 Tons & Nil from operation of existing dump Subgrade 19,720 Tons Total ROM 33,65,896.50 Tons	1.58%	No Violation	Nil	Nil

3	Recovery of salable/usable mineral quantity from ROM production in T)	Limestone - 34,00,000 Tons	Limestone - 33,46,176.50 Tons	1.58%	No Violation	Nil	Nil
4	Quantity of mineral reject/Sub-grade generation	Sub-grade: 1,52,000 Tons	Subgrade: 19,720 Tons	Subgrade: 1,32,280	No Violation	Nil	Nil
5	Grade of mineral reject/sub-grade generation as per threshold value declared	Grade of sub grade: CaO -- 40.50 MgO -- 0.79	Grade of sub grade: CaO -- 39.99 MgO -- 0.68	NA	No Violation	Nil	Nil
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	Mechanised	Mechanised	NIL	No Violation	Nil	Nil
7	Whether height of benches in Overburden& mineral suitable for method of mining proposed in mining plan	Yes	Yes, 8 meter height of benches in mineral is suitable for method of mining proposed in MP	NA	No Violation	Nil	Nil
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	nil	however, borehole and blast hole samples were drawn.	nil	No Violation	Nil	Nil

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2.4.3 : Exploitation - Dump Working Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of dumps proposed for production	1	0	1.000	No Violation	Deviation due to non installation of proposed crusher	Nil
2	Quantity of dump material handling Proposed (in Tonne)	120000	0	120000.000	No Violation	Nil	Nil
3	Recovery of salable/usable mineral from dump production (in Tonne)	48000	0	48000.000	No Violation	Nil	Nil
4	Production from dump(s) during the year	48000	0	48000.000	No Violation	Nil	Nil
5	Quantity of mineral reject generation	152000	19720	132280.000	No Violation	due to less working in top benches	Nil
6	Grade of mineral reject generation and threshold value declared	40.5	39.99	0.510	No Violation	Nil	Nil
7	Any analysis or beneficiation study proposed & carried out for mineral reject	Not proposed	Not applicable	NIL	No Violation	Nil	Nil
8	Manual / Mechanized method adopted for dump working	Mechanised	no dump working	NIL	No Violation	Nil	Nil

2.5.1 : OB/Waste Dumps Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Separate dumping of topsoil, OB & mineral rejects, fines, tailings (Rule 36,37)	Yes, proposed	Top soil is used for plantation, reject is stored at the place of proposed location	.	No Violation	Nil	Nil
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	OB / interstitial clay & Mineral reject as Subgrade will be stacked in existing dumps Dump-2 (West side)- (E/W 460368 - 460247) (N/S 2732150 -2731900) Mineral reject dumps - stacked as Subgrade grade material (E/W 460351 - 460254) (N/S 2732530 - 2732150)	OB / Interstitial clay stacked in existing dumps. Dump-2 (West side) - (E/W 461555 - 461180) (N/S 2731419 - 2731271) Mineral reject dumps - stacked as Subgrade grade material (E/W 461124 -460650) (N/S 2731378 - 2731121)	.	No Violation	Nil	Nil
3	Number of active & Inative dumps	Interstitial clay - 2Nos. Subgrade - 3 Nos.	Interstitial clay - 3 Nos. Subgrade - 3 Nos.	Interstitial clay: 1	No Violation	Nil	Nil
4	Number of dead dumps	NIL	NIL	NIL	No Violation	Nil	Nil
5	Number of dumps proposed for	NIL	NIL	NIL	No Violation	Nil	Nil

	stabilished						
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	NIL	NIL	NIL	No Violation	Nil	Nil

2.6.1 : Solid Waste Management - Backfilling (Opencast) Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Status on part or full extraction of mineral from mined out area before starting backfilling	NA	Area is not matured for backfilling.	NIL	No Violation	Nil	Nil
2	Year-wise area under backfilling of mined out area	NA	NIL	NIL	No Violation	Nil	Nil
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	Top soil -- 11000 Tonnes	Top soil -- 10400 Tonnes	-600 Tonnes	No Violation	Used for plantation	Nil
4	Total area fully reclaimed & rehabilitated	NA	NIL	NIL	No Violation	The area is not matured for reclamation and rehabilitation.	Nil
5	Locations of proposed reclamation & rehabilitated	NA	NIL	NIL	No Violation	The area is not matured for reclamation and rehabilitation.	Nil

2.7.1 : Progressive Mine Closure Plan (PMCP) Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Compliance on reclamation and rehabilitation by backfilling/Other means Total area and numbers of plantation proposed.	1.0 Ha. (Afforestation) 1000 Nos.	1.10 Ha. (Afforestation) 4131 Nos.	plantation in .10 Ha additional area	No Violation	Nil	Nil
2	Rehabilitation by making water reservoir	NIL	NA	NIL	No Violation	Nil	Nil
3	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	1.0 Ha. (Afforestation) 1000 Nos.	1.10 Ha. (Afforestation) 4131 Nos.	plantation in .10 Ha additional area	No Violation	Nil	Nil
4	Compliance of Environmental monitoring (core zone & buffer zone)	Yes, as per rule	Yes, as per rule	NIL	No Violation	Nil	Nil

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2.8.1 : Mineral Conservation Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	ROM Mineral dispatch or grade-wise sorting within lease area	Usable Limestone for Cement manufacturing-340000 Tonnes (113.45 LSF) & 48000 Tons from operation of existing dump & Stacking of Subgrade material -- 152000 Tonnes (Cao-40.50%, MgO-0.79%)	Used Limestone for Cement manufacturing - 3346176.50 Tons (113.15LSF), Nil (Limestone) from existing dump & Subgrade material stacked -- 19720 Tons (Cao-39.99%, MgO-0.68%)	1.58% limestone used for manufacturing	No Violation	Nil	Nil
2	Different grade of mineral sorted out at mines	Subgrade mineral CaO -- 40.50 MgO -- 0.79	Subgrade mineral CaO -- 39.99 MgO -- 0.68	NA	No Violation	Nil	Nil
3	Any beneficiation process at mines	No	NA	NIL	No Violation	Nil	Nil
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	No	NA	NIL	No Violation	Nil	Nil

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2.9.1 : Environment Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Separate removal and utilization of topsoil	Top soil 11000 Tonnes	10400 Tonnes (Top soil)	-600	No Violation	less generation of topsoil	Nil
2	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NA	NIL	No Violation	Nil	Nil
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NA	NIL	No Violation	Nil	Nil
4	Plantation & Survival rate	1000 Nos. of plants covering 1.00 Hects. area Survival rate: 90%	4131 Nos. of plants planted covering 1.10 Hects. & gap area of existing plantation within lease. Survival rate 91%. (2023-24)	3131 nos of additional plantation	No Violation	Nil	Nil
5	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road to arrest fugitive dust	Water sprinkling on haul road to arrest fugitive dust is being done.	NIL	No Violation	Nil	Nil

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2.10 : Annual Return Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Submission of Online Monthly and Annual returns in prescribed period or not	As per rule 45(7)	As per rule 45(7)	NIL	No Violation	Nil	Nil
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	Appointed	Appointed	NIL	No Violation	Nil	Nil
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	NO	NO	NIL	No Violation	Nil	Nil
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	NA	NA	NIL	No Violation	Nil	Nil
5	Notices and Returns for the lease area submitted or not where fine applicable	Submission on time	Submitted on time	NIL	No Violation	Nil	Nil
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Captive use Ex-Mine Price - Rs. 183.88/- per tonne	The above mentioned information seems to be correct.	NIL	No Violation	Nil	Nil

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2.11 : SDF Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Start Ratings accorded for mine during last 3 years	Submitted As per rule	2021-2022: 4 2022-2023: 4	Not applicable	No Violation	Nil	Nil

Part-III : Other Reports**3.1.1 : Upload Other Reports**

S.N.	Reports File	Remark File Description
1	Nil	Nil

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Part-IV : Summary Details

4.1 : Summary of Violations

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
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Esigned by:  RITAM PRADHAN
Date: 29/04/2025 05:26:29 PM